

Environmental & Regulatory Services Division
Bureau of Storage Tank Regulation
201 West Washington Avenue
P.O. Box 7837
Madison, WI 53707-7837

Wisconsin COMM 10 Material Approval

Equipment: Single and Double Wall Aboveground Tanks
(UL 142, SwRI 97-03, SwRI 93-01)

Manufacturer: K. E. Enterprises d.b.a.
Certified Tank & Manufacturing
2500 Richards Lane
Springfield, IL 62702

Expiration of Approval: December 31, 2006

SCOPE OF EVALUATION

The K. E. Enterprises single and double wall aboveground tanks for flammable liquids, with or without integrally welded supports, was evaluated in accordance with **ss. COMM 10.345 (1)** and

10.415 (7)(b) of the Wisconsin Administrative Flammable and Combustible Liquids Code. This approval includes tanks displaying the UL 142, and/or the SwRI label (97-04, 93-01, and/or 99-01).

The SwRI 97-04, SwRI 93-01, and SwRI 99-01 listed tanks are manufactured by K. E. Enterprises under licensing agreement with U-Fuel, Inc. The following table lists the type of tank, SwRI ID #, and corresponding evaluation test protocol.

Tank Type	SwRI ID #	Test Protocol
U-Fuel Secondary Contained Aboveground Fuel System with Impact Resistance	95056-02-01	UL 142 SwRI 93-01 (impact requirements only)
U-Fuel Single Wall Fire Resistant Tank	95056-02-02	UL 142 SwRI 97-04
U-Fuel, Inc. Double Wall Fire Resistant Tank	95056-02-03	UL 142 SwRI 97-04 SwRI 99-01
U-Fuel, Inc. Double Wall Fire Resistant Tank with Impact Resistance	95056-02-04	UL 142 SwRI 97-04 SwRI 93-01 (impact requirements only) SwRI 99-01

This approval has been based upon Commerce evaluation of information submitted by the manufacture, the Steel Tank Institute and third party evaluation. Specific tank or manufacturer design data is considered confidential. Specific technical information relating to evaluating or qualifying the technical and engineering information submitted should be made to the manufacture or submitter.

This evaluation summary is condensed to provide the specific installation, application and operation parameters necessary to maintain the subject systems in compliance with the Wisconsin Administrative Code – Comm 10.

DESCRIPTION AND USE

These tanks are listed (UL 142, SwRI 97-04, SwRI 93-01, SwRI 99-01) tanks for the aboveground storage of flammable or combustible liquids. K. E. Enterprises manufactures tanks in horizontal, vertical, cylindrical, and rectangular configurations according to the **UL 142** Standard specifications. The inner tank and secondary containment for all tanks have been tested and listed by UL in accordance with UL Standard 142. The support design has also been approved by UL.

LIMITATIONS / CONDITIONS APPROVAL

- The double wall tanks are approved for compliance with the secondary containment requirements of **ss. COMM 10.345 (1) and 10.415 (7)(b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. COMM 10.33**.
- All tanks will display the **UL 142** label.
- Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with

s. Comm 10.415.

- Tanks listed in accordance with SwRI 97-04 meet the requirements for 2-hour fire exposure and may be sited using the reduced setbacks under **s. Comm 10.415(4)(b)2.**
- The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.
- Compartmentalized tanks shall be constructed for a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.
- A spill container shall be provided at the fill opening in accordance with **s. COMM 10.415 (12)(a).**
- Separate vehicle collision protection shall be provided, when required, by a barrier that meets the design requirements specified in **s. COMM 10.415 (8)(a).**
- No attachments shall be made to the tank that will violate or void the UL Listing.
- The tank shall be installed to allow full visual inspection of the secondary containment system. Tank foundations shall be designed to minimize the possibility of uneven settling of the tank and to minimize corrosion in any part of the tank resting on the foundation. Direct grade contact with bottom of tank shell is acceptable if the tank is placed on a prepared flat smooth solid surface.
- The tank system operator is required to maintain the system components according to the respective manufacturer's guidelines.
- An aboveground storage tank installer certified by the department in accordance with **Comm 5.84** shall supervise the installation.

This approval will be valid through December 31, 2006, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified in this document.

Reviewed by: _____
Greg Bareta, P.E.
Engineering Consultant
Bureau of Storage Tank Regulation

Approved by: _____ Date: _____